

Title (en)  
WIDE-ANGLE CONSTANT VELOCITY JOINT

Title (de)  
HOMOKINETISCHES WEITWINKEL WELLENGELENK

Title (fr)  
GRAND-ANGLE JOINT HOMOCINÉTIQUE

Publication  
**EP 3282142 B1 20191002 (EN)**

Application  
**EP 16425085 A 20160808**

Priority  
EP 16425085 A 20160808

Abstract (en)  
[origin: EP3282142A1] A floating plate (8) between the two opposing yokes (7, 9) of the joint (OJ) is provided with two opposite ball bearing (11) each comprising two spherical parts (11 a ) swinging in corresponding housings (11 b ) and a runway (12) in which the pin (10) of each yoke (7, 9) is received, the assembly allowing the two angles, ( $\pm$ ) between the axis of the input motion yoke and the transverse axis (X-X) of the joint and that ( $^2$ ) between the axis of the output motion yoke and the transverse axis (X - X) of the joint, to remain the same during the work of the joint, the contact surfaces between the spherical parts (11 a ) and the respective housings (11 b ) being maximized to reduce wear of same surfaces.- (Fig. 2)

IPC 8 full level  
**F16D 3/32** (2006.01)

CPC (source: EP)  
**F16D 3/32** (2013.01)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3282142 A1 20180214; EP 3282142 B1 20191002**; ES 2757425 T3 20200429

DOCDB simple family (application)  
**EP 16425085 A 20160808**; ES 16425085 T 20160808